

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J49/02 H01J49/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 3 997 298 A (MCLAFFERTY ET AL) 14 December 1976 (1976-12-14)  column 1, line 65 - column 2, line 2 column 2, lines 35-40 column 4, lines 2-23	1, 3, 4, 20-22 2, 5-10
X Y	US 5 233 190 A (SCHLERETH ET AL) 3 August 1993 (1993-08-03)  abstract column 3, lines 41-50 column 4, line 37 - column 5, line 11; figure 2 column 6, lines 33-36  ----- -/--	11, 20-22  5-10, 12-14

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

29 June 2005

Date of mailing of the international search report

02/08/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>GORSHKOV M V ET AL: "A dual-trap design and its applications in electrospray ionization FTICR mass spectrometry." ANALYTICAL CHEMISTRY. 1 APR 1997, vol. 69, no. 7, 1 April 1997 (1997-04-01), pages 1307-1314, XP002331916  ISSN: 0003-2700  abstract  page 1308, left-hand column  page 1311, last line, paragraph 4  page 1312, right-hand column, paragraphs 1,2  page 1314, right-hand column, paragraph 2</p>	2,8-10, 12-19
Y	<p>US 6 342 393 B1 (HOFSTADLER STEVEN ET AL)  29 January 2002 (2002-01-29)  column 5, lines 7-27; figure 1  column 8, lines 18-39</p>	15-19
A	<p>PERKINS D N ET AL: "PROBABILITY-BASED PROTEIN IDENTIFICATION BY SEARCHING SEQUENCE DATABASES USING MASS SPECTROMETRY DATA"  ELECTROPHORESIS, WEINHEIM, DE,  vol. 20, 1999, pages 3551-3567,  XP001051561  ISSN: 0173-0835  page 3565, paragraph 3.5.1; figure 13</p>	1,20-22
A	<p>YATES J R: "SPECIAL FEATURE: TUTORIAL MASS SPECTROMETRY AND THE AGE OF THE PROTEOME"  JOURNAL OF MASS SPECTROMETRY, WILEY,  CHICHESTER, GB,  vol. 33, no. 1, 1998, pages 1-19,1,  XP002908492  ISSN: 1076-5174  page 9, left-hand column, last paragraph -  page 10; figure 4</p>	1,20-22

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/010735

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3997298	A	14-12-1976	NONE	
US 5233190	A	03-08-1993	NONE	
US 6342393	B1	29-01-2002	AU 2510600 A	07-08-2000
			EP 1169111 A1	09-01-2002
			WO 0043111 A1	27-07-2000
			US 2003211628 A1	13-11-2003
			US 2002011563 A1	31-01-2002